

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122718\
 Data File : BF111781.D
 Acq On : 28 Dec 2018 00:37
 Operator : JU/SJ
 Sample : J6426-07DL 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS013-2430-01DL

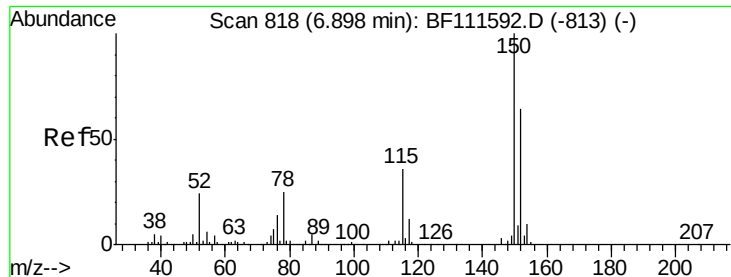
Manual Integrations
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Sohil
 12/28/2018 10:37:36 AM

Quant Time: Dec 28 07:44:24 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	114968	20.00	ng	0.01
21) Naphthalene-d8	8.19	136	380901	20.00	ng	0.01
39) Acenaphthene-d10	9.95	164	171257	20.00	ng	0.01
64) Phenanthrene-d10	11.43	188	303511	20.00	ng	0.02
76) Chrysene-d12	14.07	240	253511	20.00	ng	0.02
87) Perylene-d12	15.57	264	197869	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	67706	10.04	ng	0.02
7) Phenol-d6	6.54	99	58024	6.76	ng	0.02
23) Nitrobenzene-d5	7.46	82	100369	15.34	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	33225	16.42	ng	0.01
45) 2-Fluorobiphenyl	9.26	172	163692	13.93	ng	0.00
79) Terphenyl-d14	13.02	244	170650	12.77	ng	0.02
Target Compounds						
17) 2-Methylphenol	7.16	107	14181	2.370	ng	77
30) 1,2,4-Trichlorobenzene	8.13	180	153455	23.349	ng	96
31) Naphthalene	8.21	128	533170	29.132	ng	97
37) 2-Methylnaphthalene	8.90	142	434574	36.497	ng	99
38) 1-Methylnaphthalene	9.00	142	244318m	21.364	ng	
40) 1,2,4,5-Tetrachlorobenzene	9.07	216	31662	5.626	ng	92
46) 1,1'-Biphenyl	9.36	154	90714	6.275	ng	95
58) Fluorene	10.49	166	31181	2.777	ng	83
71) Phenanthrene	11.46	178	164709	10.233	ng	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

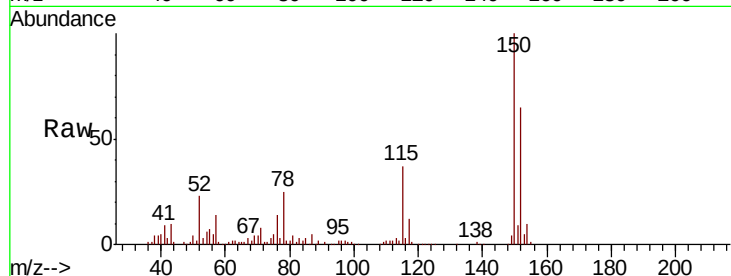
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.91 min Scan# 820
Delta R.T. 0.01 min
Lab File: BF111781.D
Acq: 28 Dec 2018 00:37

Instrument :
BNA_F
ClientSampleId :
P001-SS013-2430-01DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	126.6	189.8
115	57.2	50.7	76.1

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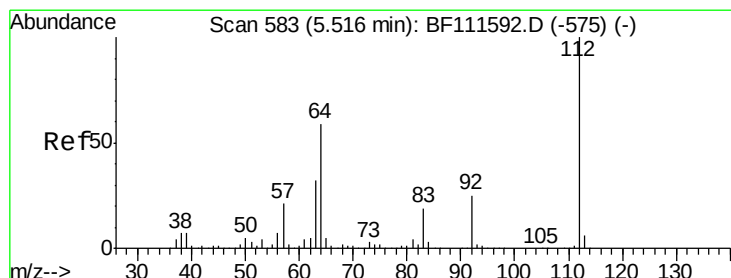
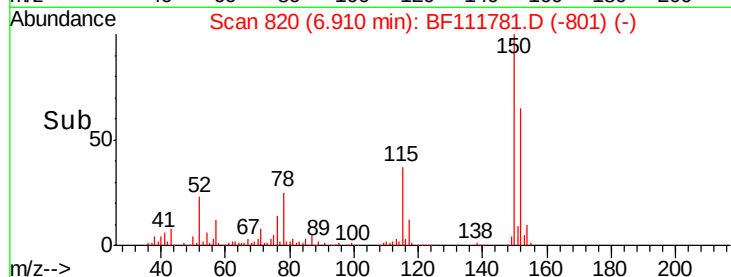
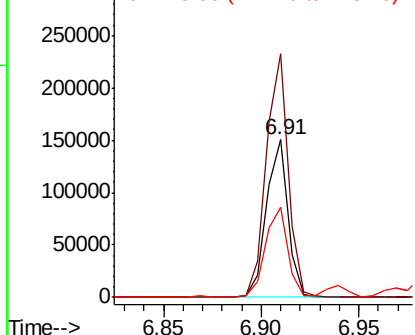


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

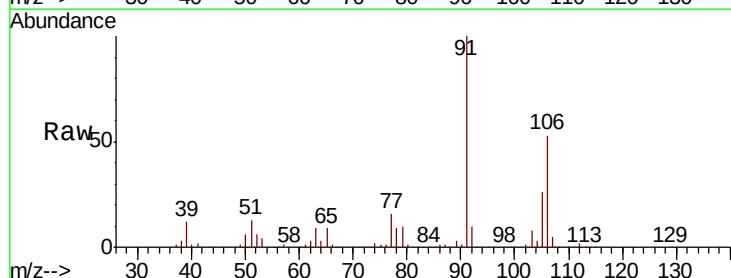
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 10.038 ng
RT: 5.54 min Scan# 587
Delta R.T. 0.02 min
Lab File: BF111781.D
Acq: 28 Dec 2018 00:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	143.2	51.8	77.6#
63	422.4	26.8	40.2#

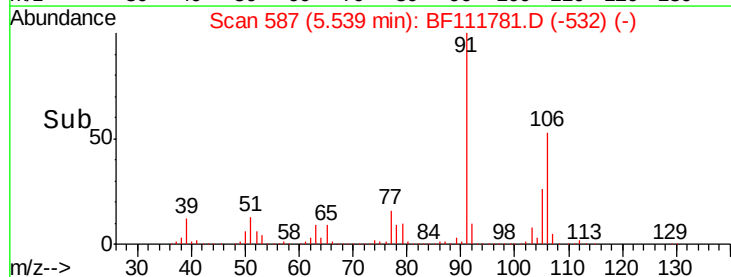
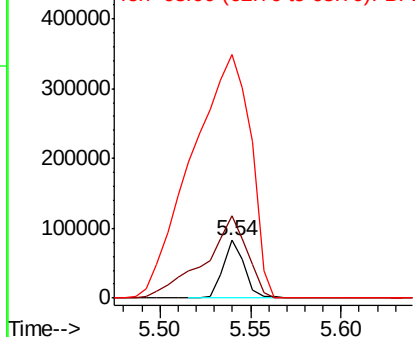


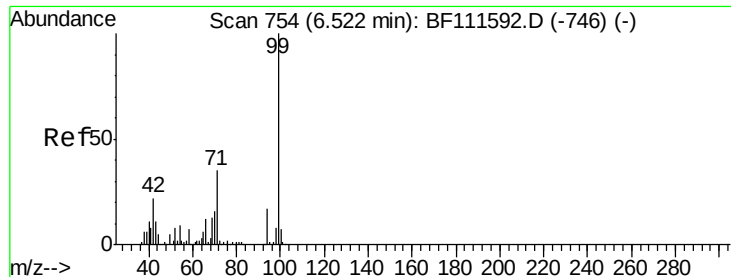
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 6.760 ng

RT: 6.54 min Scan# 757

Delta R.T. 0.02 min

Lab File: BF111781.D

Acq: 28 Dec 2018 00:37

Instrument :

BNA_F

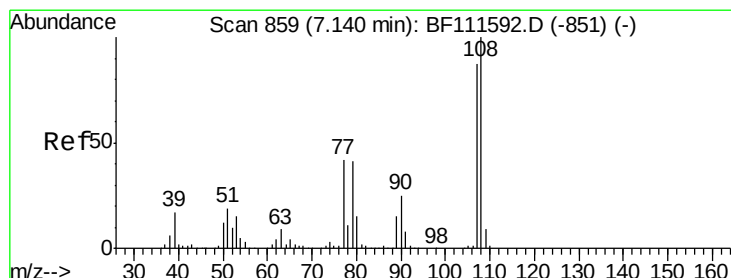
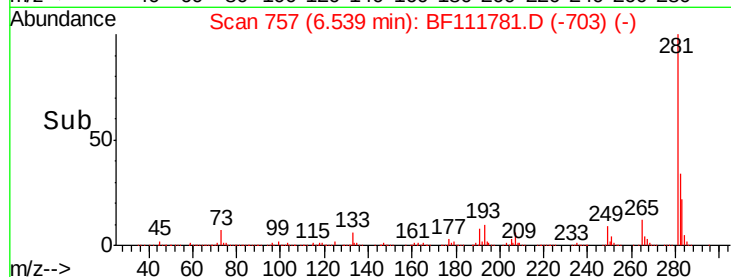
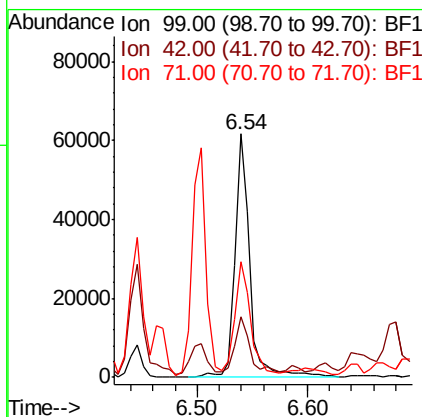
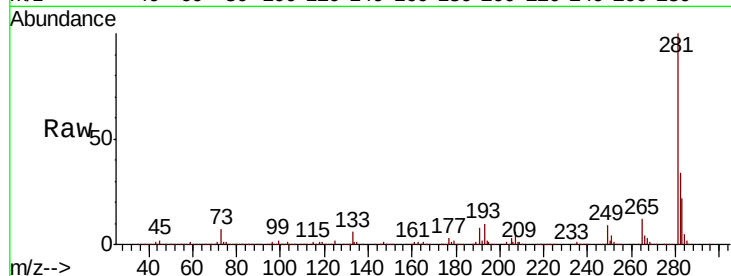
ClientSampleId :

P001-SS013-2430-01DL

Tot Ion:	99	Resp:	58024
Ion Ratio	Lower	Upper	
99	100		
42	24.8	17.4	26.0
71	47.7	26.1	39.1#

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#17

2-Methylphenol

Concen: 2.370 ng

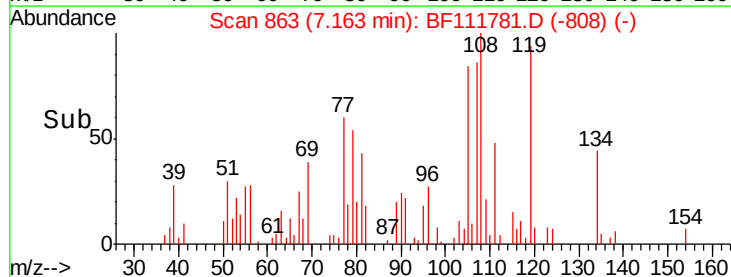
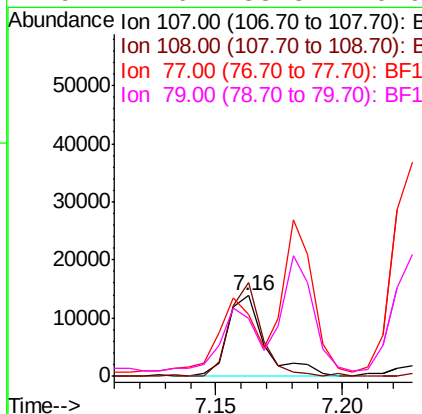
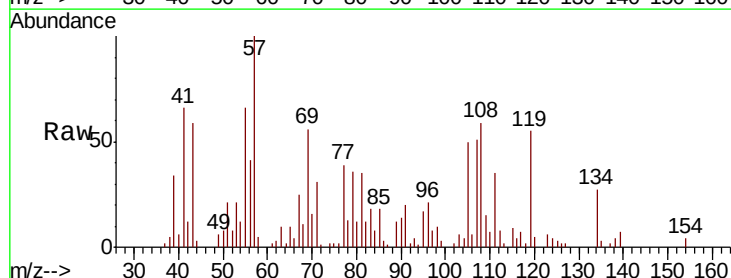
RT: 7.16 min Scan# 863

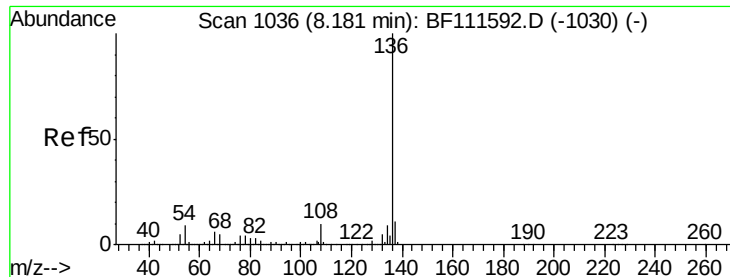
Delta R.T. 0.02 min

Lab File: BF111781.D

Acq: 28 Dec 2018 00:37

Tgt Ion:	107	Resp:	14181
Ion Ratio	Lower	Upper	
107	100		
108	115.9	91.0	136.4
77	76.5	33.5	50.3#
79	71.6	33.3	49.9#





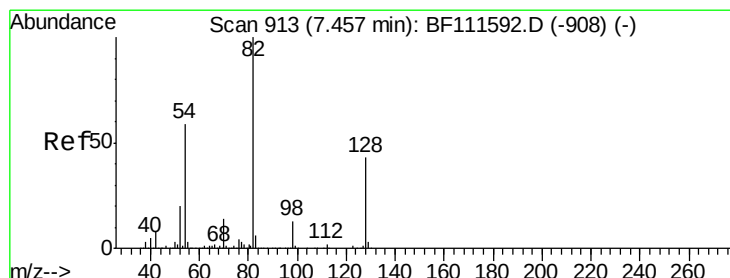
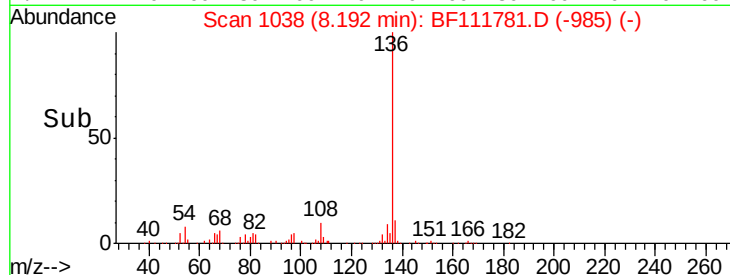
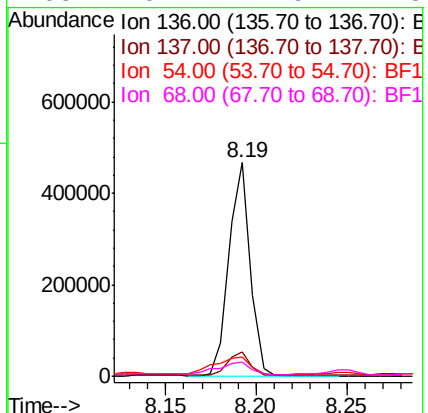
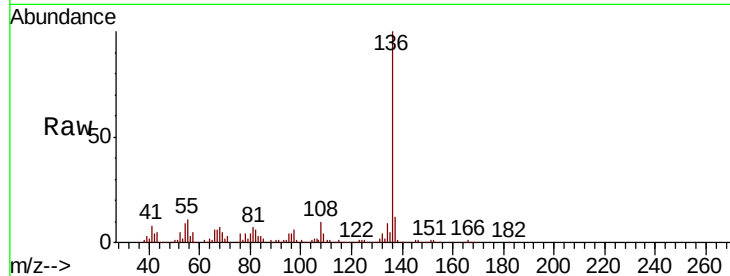
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.19 min Scan# 1038
Delta R.T. 0.01 min
Lab File: BF111781.D
Acq: 28 Dec 2018 00:37

Instrument :
BNA_F
ClientSampleId :
P001-SS013-2430-01DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		380901		
137	11.6	9.1	13.7		
54	9.2	7.7	11.5		
68	6.7	4.9	7.3		

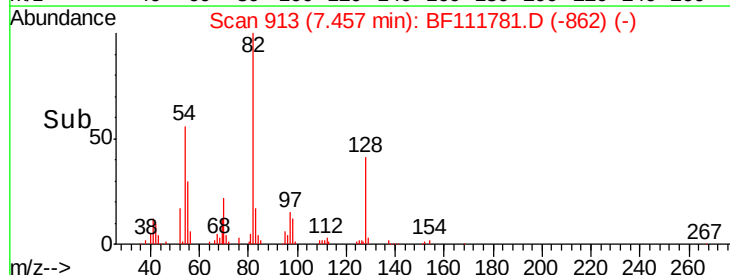
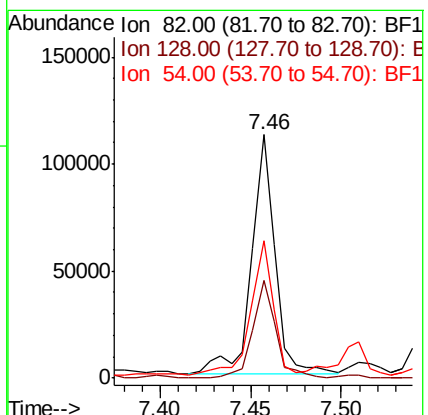
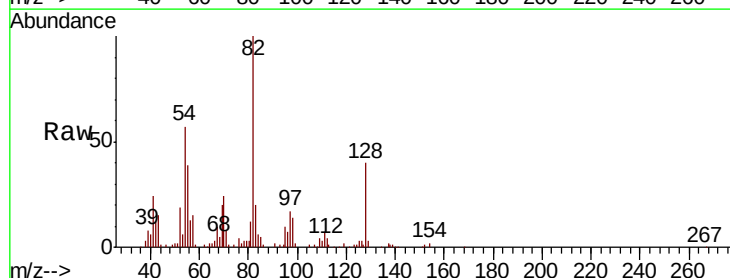
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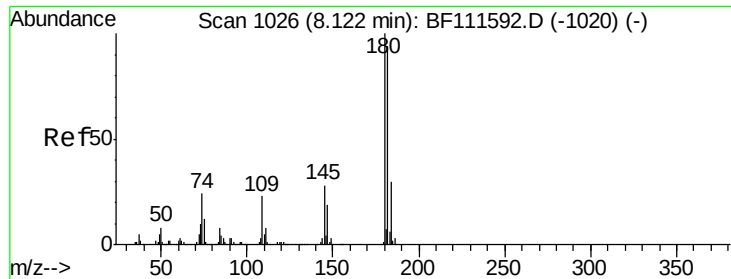
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#23
Nitrobenzene-d5
Concen: 15.338 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.00 min
Lab File: BF111781.D
Acq: 28 Dec 2018 00:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		100369		
128	40.3	37.4	56.2		
54	56.6	47.6	71.4		





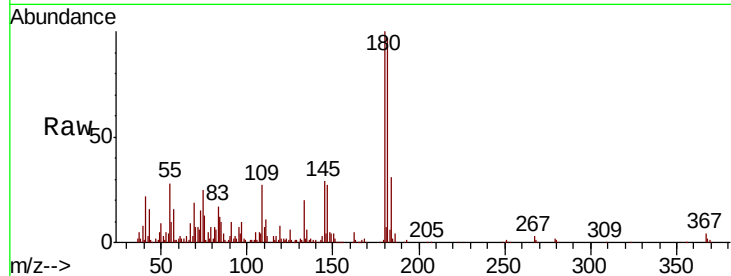
#30
1,2,4-Trichlorobenzene
Concen: 23.349 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.01 min
Lab File: BF111781.D
Acq: 28 Dec 2018 00:37

Instrument :
BNA_F
ClientSampleId :
P001-SS013-2430-01DL

Tot Ion	Ratio	Resp	Lower	Upper
180	100	153455		
182	96.8	75.6	113.4	
145	29.2	26.7	40.1	

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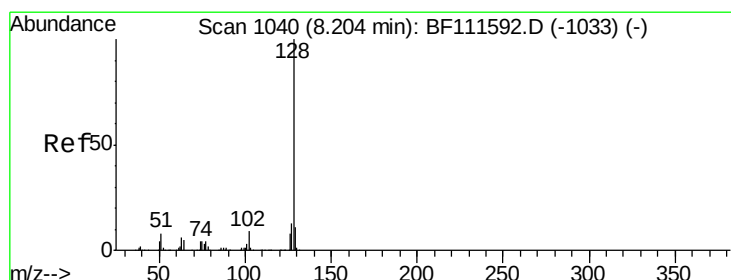
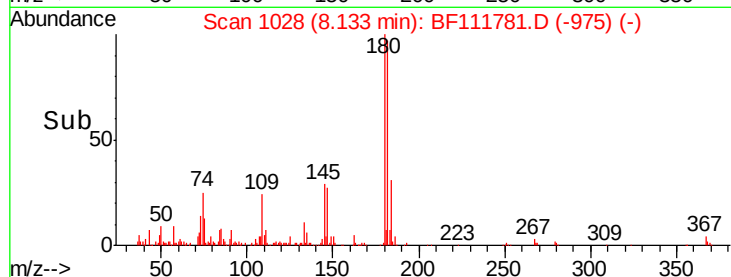
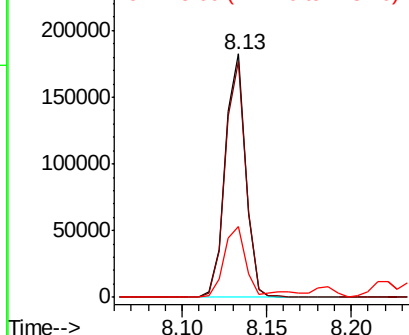


Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E



#31
Naphthalene
Concen: 29.132 ng
RT: 8.21 min Scan# 1041
Delta R.T. 0.01 min
Lab File: BF111781.D
Acq: 28 Dec 2018 00:37

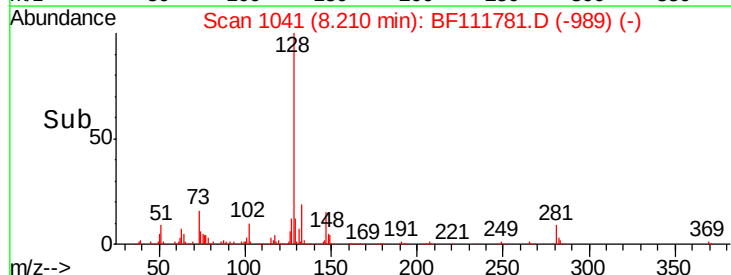
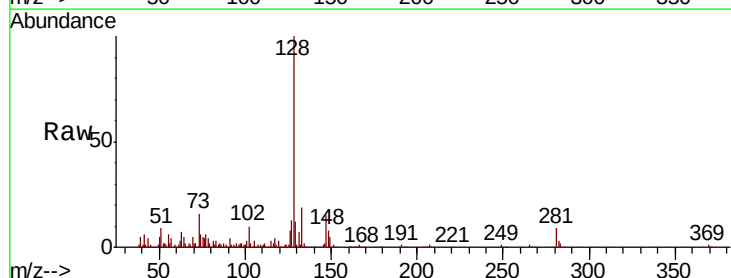
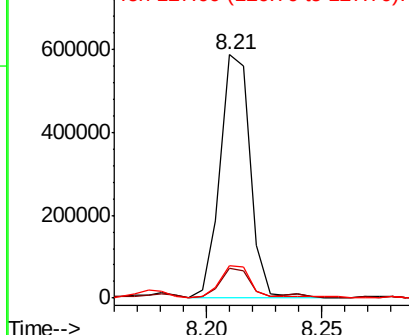
Tgt Ion	Ratio	Resp	Lower	Upper
128	100	533170		
129	12.2	9.8	14.8	
127	13.1	12.0	18.0	

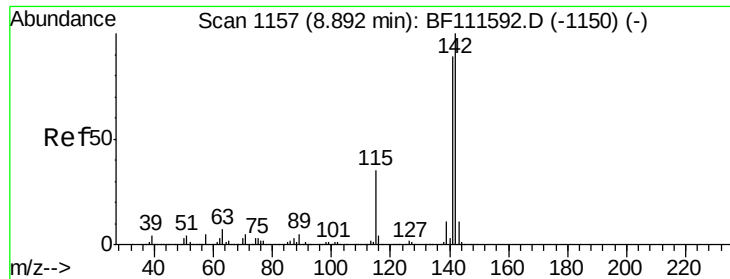
Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





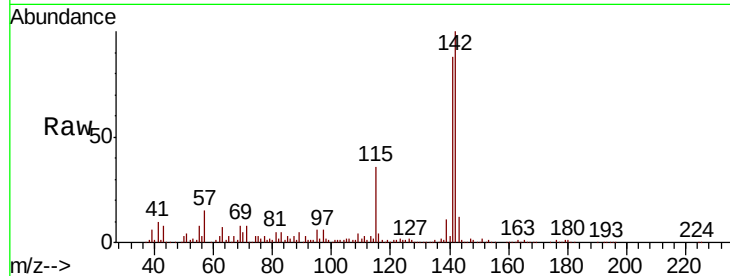
#37
2-Methylnaphthalene
Concen: 36.497 ng
RT: 8.90 min Scan# 1159
Delta R.T. 0.01 min
Lab File: BF111781.D
Acq: 28 Dec 2018 00:37

Instrument :
BNA_F
ClientSampleId :
P001-SS013-2430-01DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.6	70.6	105.8
115	35.7	27.0	40.6

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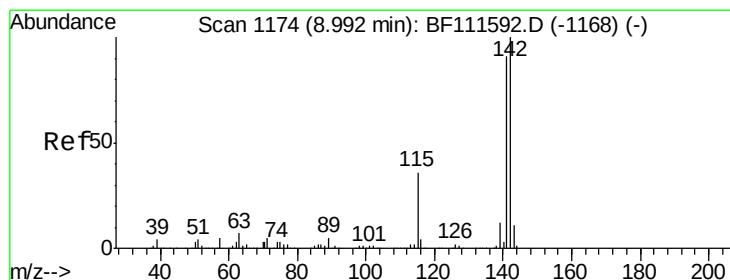
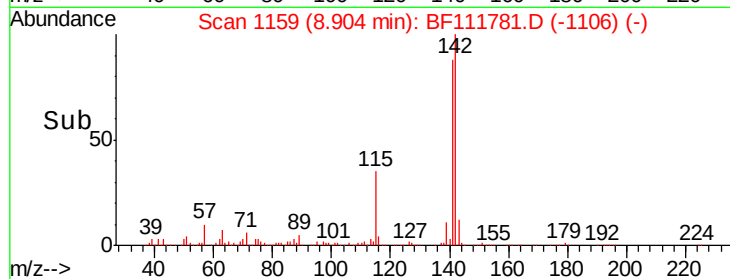
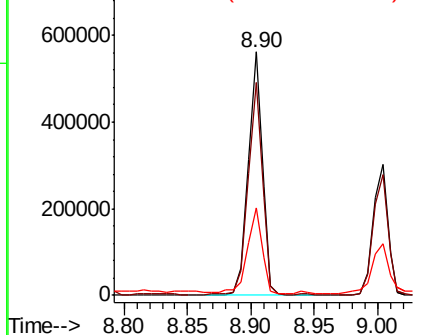


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 21.364 ng m
RT: 9.00 min Scan# 1176
Delta R.T. 0.01 min
Lab File: BF111781.D
Acq: 28 Dec 2018 00:37

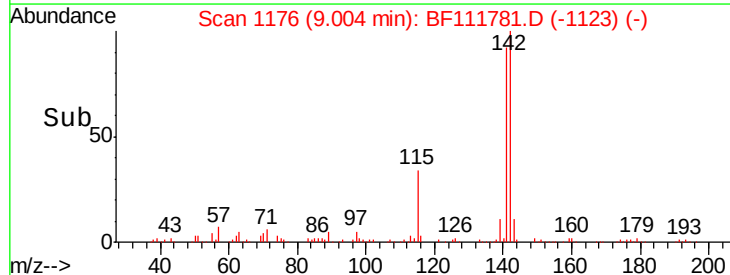
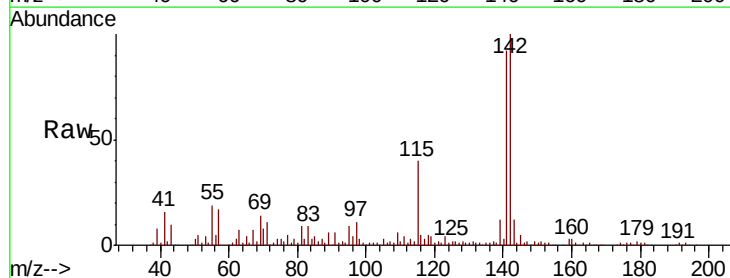
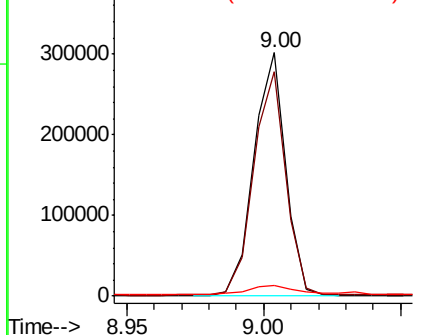
Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.1	74.2	111.4
116	4.6	2.9	4.3#

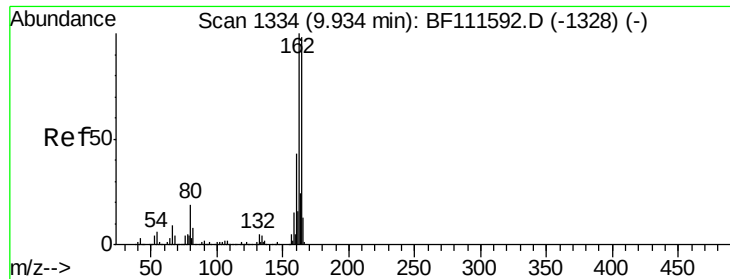
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





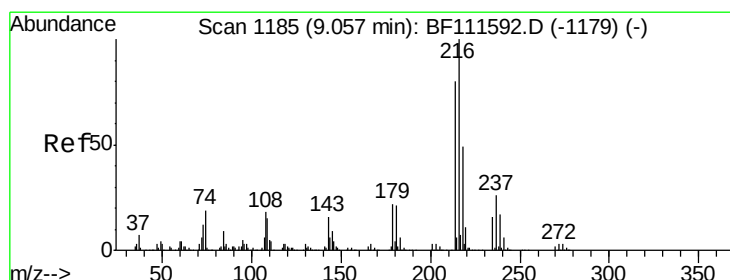
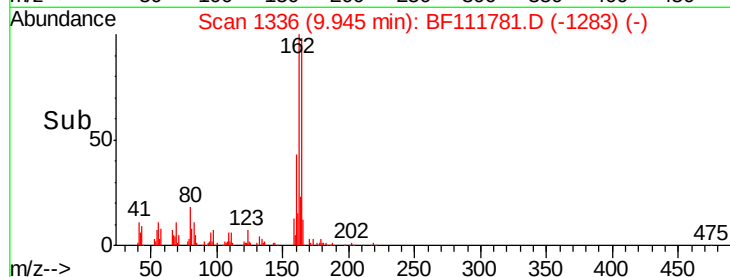
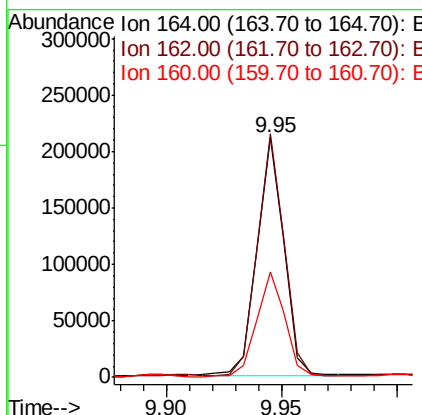
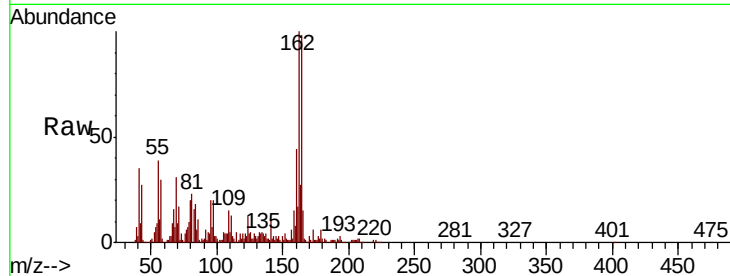
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1336
Delta R.T. 0.01 min
Lab File: BF111781.D
Acq: 28 Dec 2018 00:37

Instrument :
BNA_F
ClientSampleId :
P001-SS013-2430-01DL

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.6	81.4	122.0	
160	44.2	35.7	53.5	

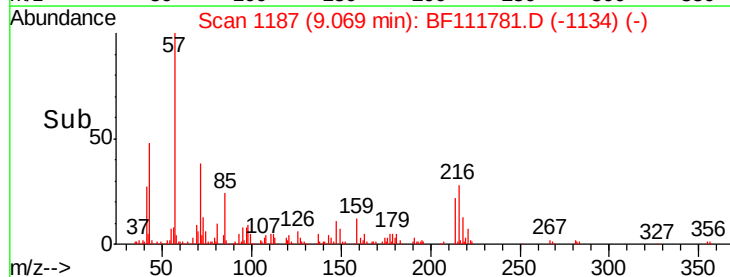
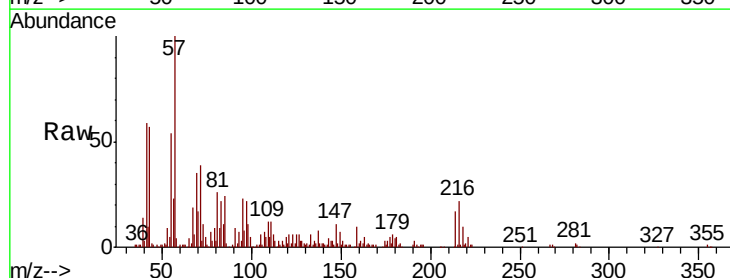
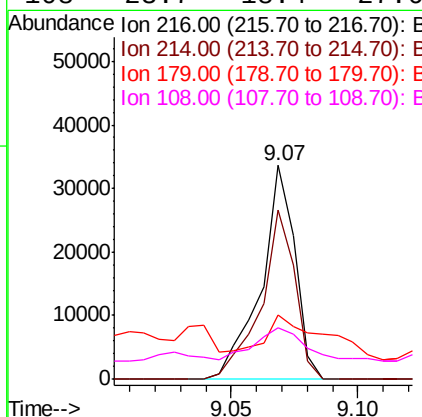
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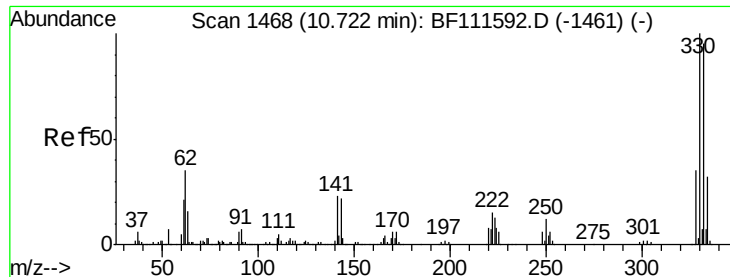
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.626 ng
RT: 9.07 min Scan# 1187
Delta R.T. 0.01 min
Lab File: BF111781.D
Acq: 28 Dec 2018 00:37

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	78.9	63.8	95.8	
179	40.1	17.9	26.9	
108	23.7	18.4	27.6	





#42

2,4,6-Tribromophenol

Concen: 16.419 ng

RT: 10.73 min Scan# 1470

Delta R.T. 0.01 min

Lab File: BF111781.D

Acq: 28 Dec 2018 00:37

Instrument :

BNA_F

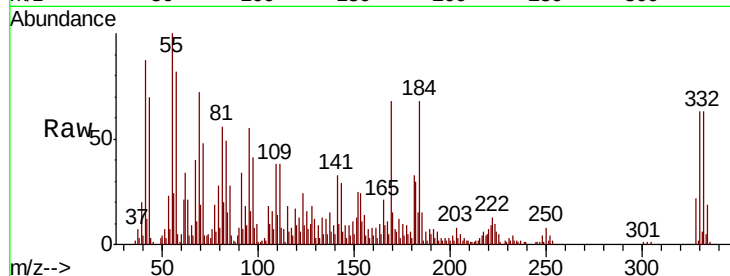
ClientSampleId :

P001-SS013-2430-01DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.8	76.0	114.0	
141	49.8	31.0	46.6	

Manual Integrations
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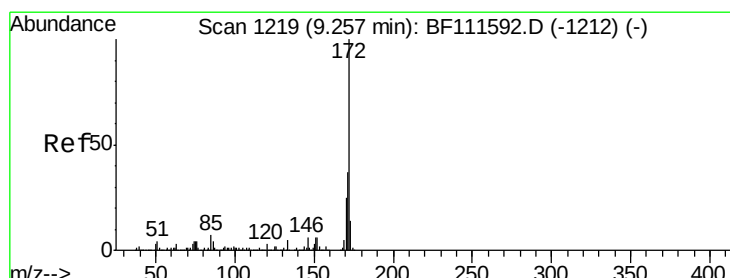
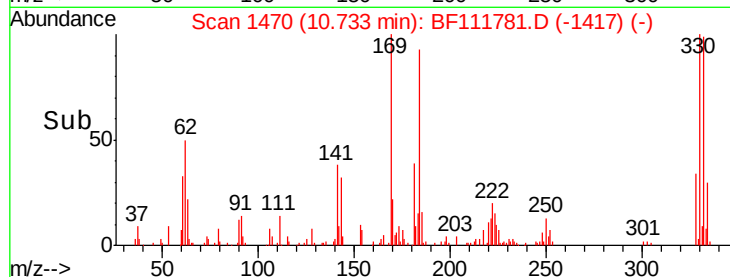
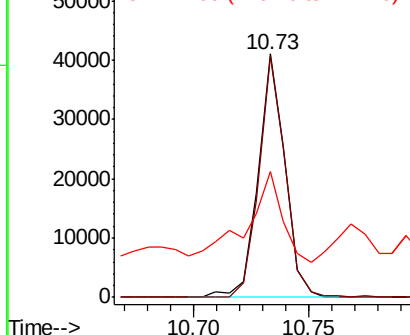


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 13.932 ng

RT: 9.26 min Scan# 1220

Delta R.T. 0.01 min

Lab File: BF111781.D

Acq: 28 Dec 2018 00:37

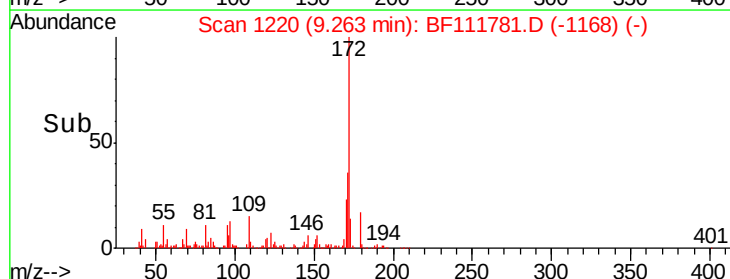
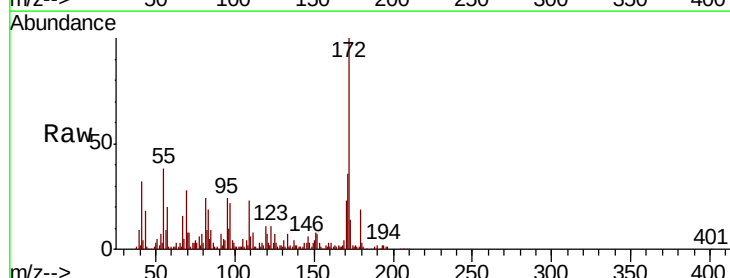
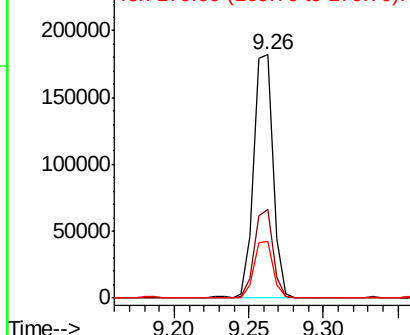
Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.3	33.0	49.4	
170	23.3	22.3	33.5	

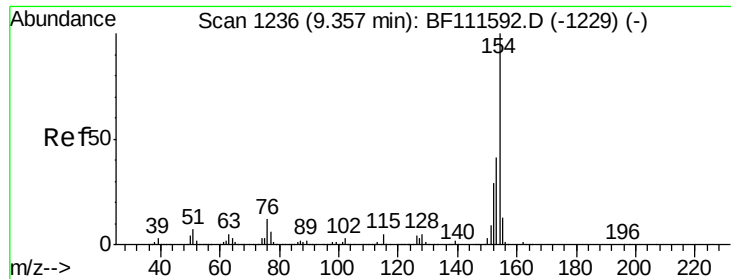
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





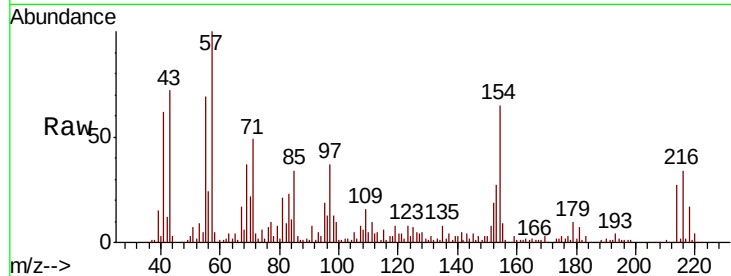
#46
 1,1'-Biphenyl
 Concen: 6.275 ng
 RT: 9.36 min Scan# 1237
 Delta R.T. 0.01 min
 Lab File: BF111781.D
 Acq: 28 Dec 2018 00:37

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS013-2430-01DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	41.3	23.7	63.7
76	10.8	0.0	35.0

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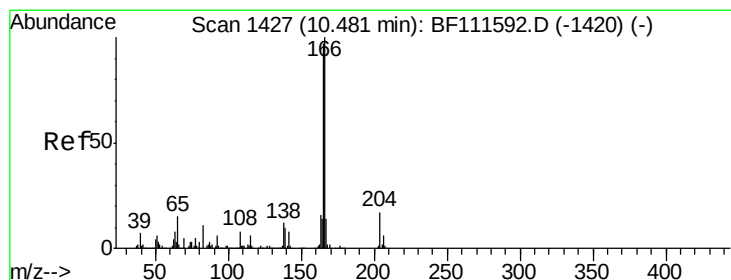
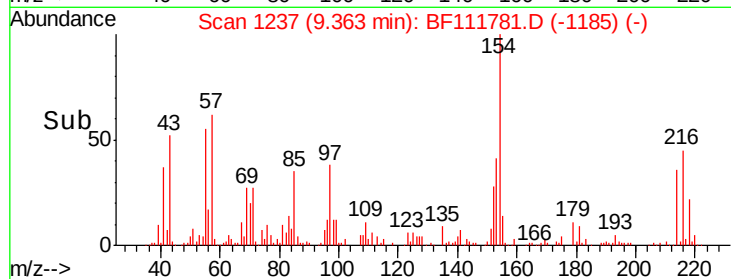
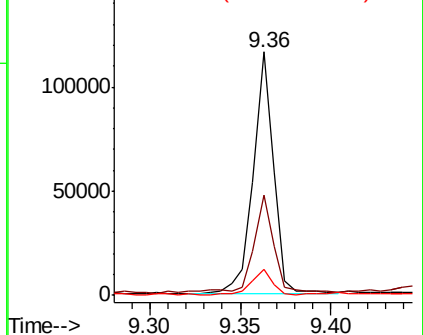


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#58
 Fluorene
 Concen: 2.777 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. 0.01 min
 Lab File: BF111781.D
 Acq: 28 Dec 2018 00:37

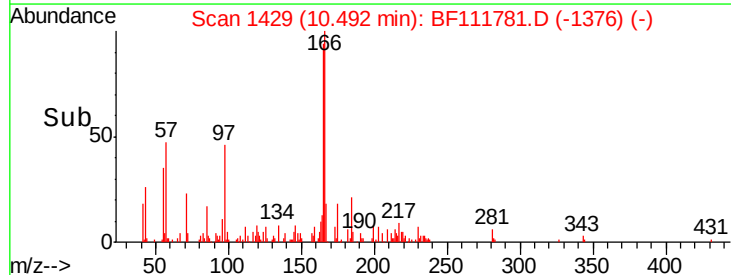
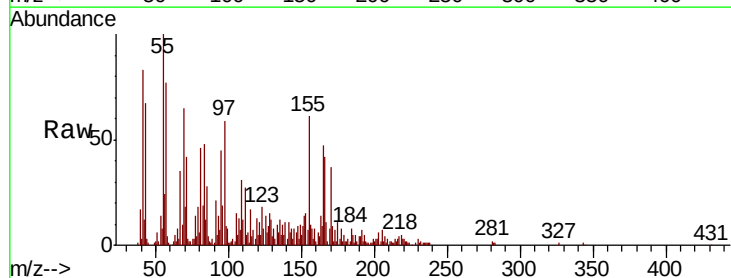
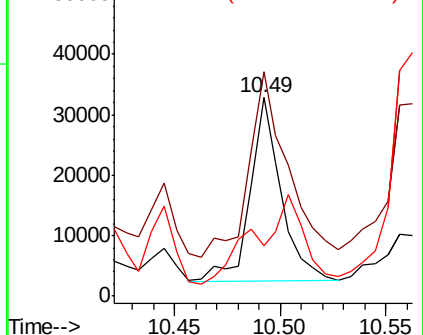
Tgt Ion	Ratio	Lower	Upper
166	100		
165	113.1	78.4	117.6
167	25.4	11.2	16.8#

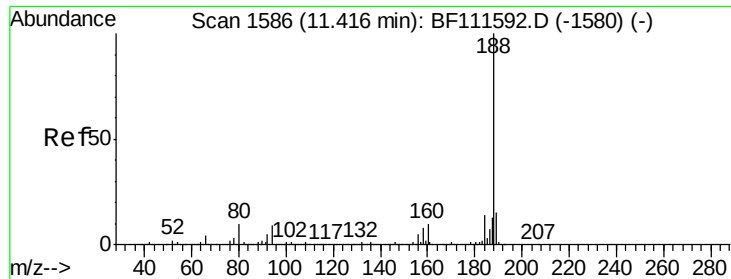
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





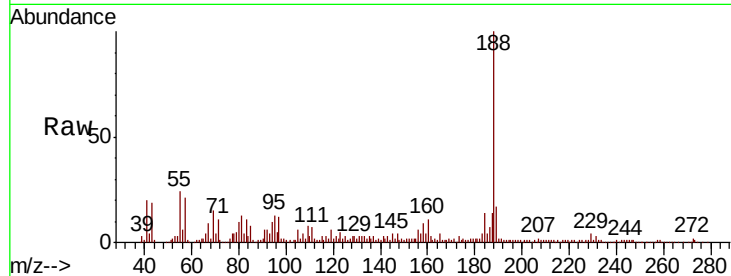
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.43 min Scan# 1589
Delta R.T. 0.02 min
Lab File: BF111781.D
Acq: 28 Dec 2018 00:37

Instrument :
BNA_F
ClientSampleId :
P001-SS013-2430-01DL

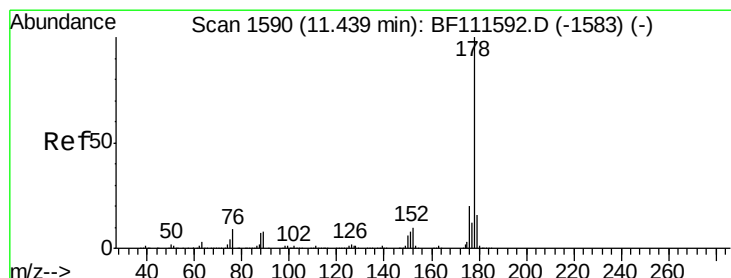
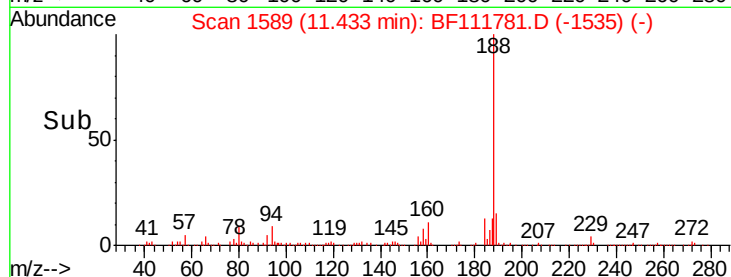
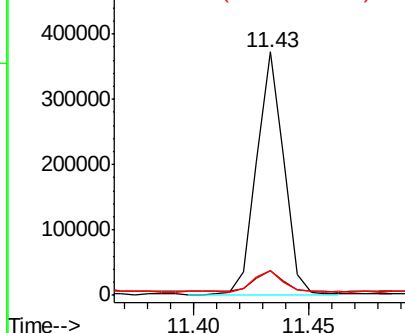
Tot Ion:	188	Resp:	303511
Ion Ratio	Lower	Upper	
188	100		
94	10.2	9.6	14.4
80	10.1	9.8	14.6

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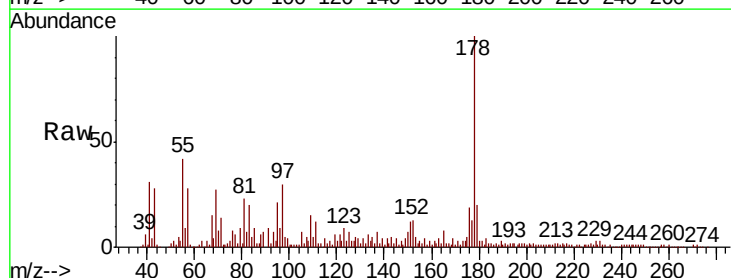


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

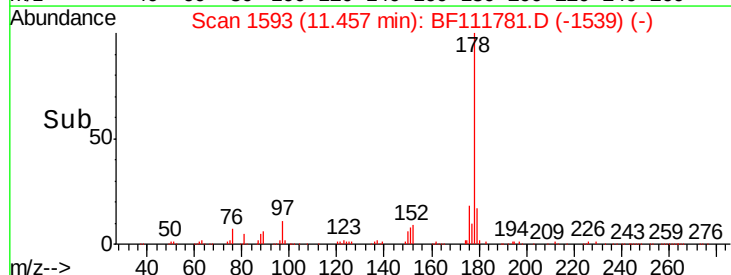
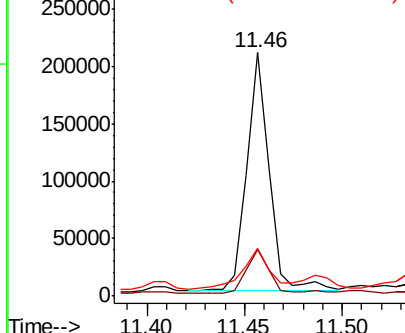


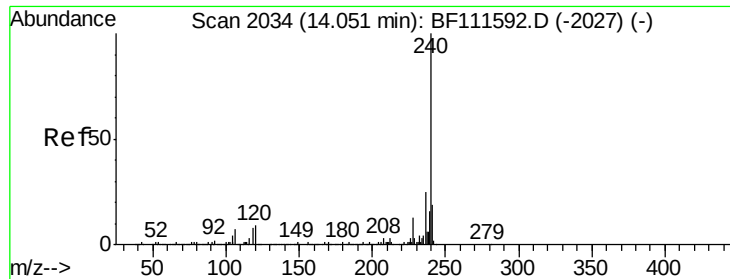
#71
Phenanthrene
Concen: 10.233 ng
RT: 11.46 min Scan# 1593
Delta R.T. 0.02 min
Lab File: BF111781.D
Acq: 28 Dec 2018 00:37

Tgt Ion:	178	Resp:	164709
Ion Ratio	Lower	Upper	
178	100		
176	19.0	18.1	27.1
179	19.7	14.0	21.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





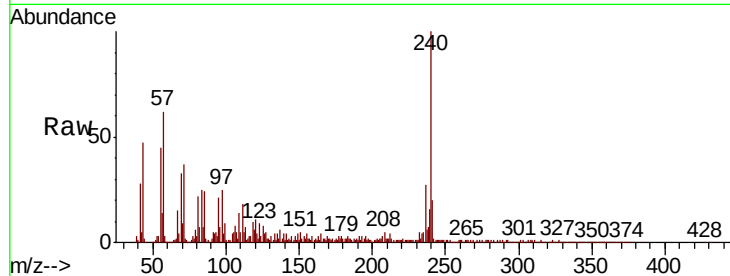
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.07 min Scan# 2038
Delta R.T. 0.02 min
Lab File: BF111781.D
Acq: 28 Dec 2018 00:37

Instrument :
BNA_F
ClientSampleId :
P001-SS013-2430-01DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.3	12.2	18.2#
236	26.6	20.2	30.2

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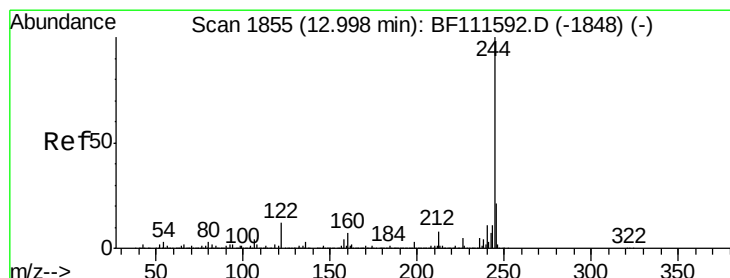
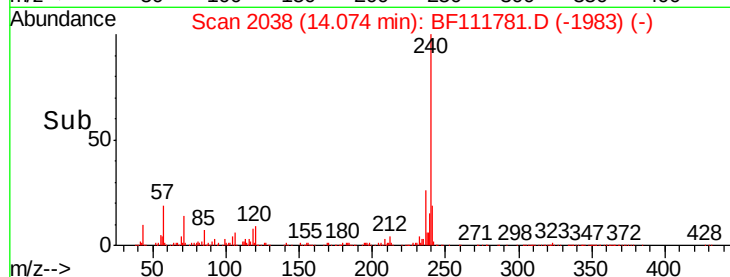
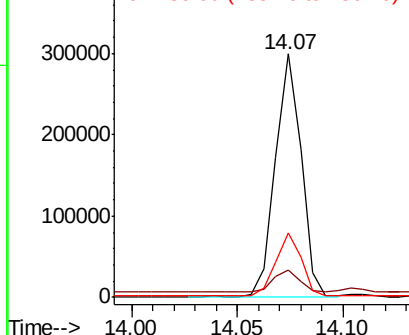


Abundance

Ion 240.00 (239.70 to 240.70): E

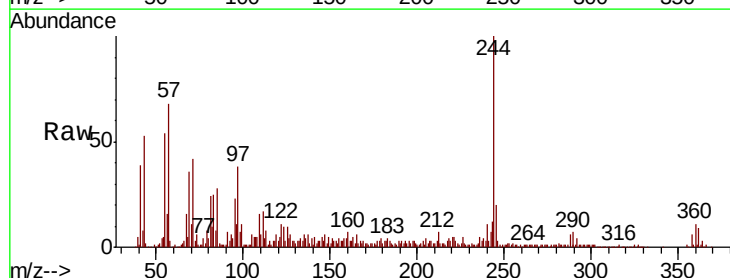
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#79
Terphenyl-d14
Concen: 12.766 ng
RT: 13.02 min Scan# 1858
Delta R.T. 0.02 min
Lab File: BF111781.D
Acq: 28 Dec 2018 00:37

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	11.1	13.1	19.7#

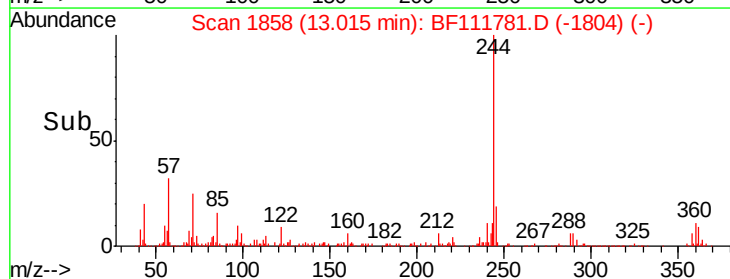
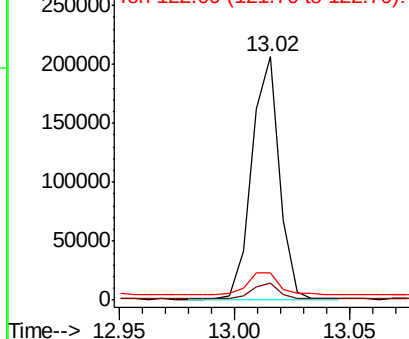


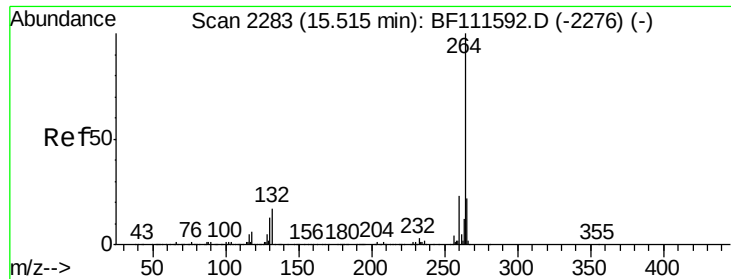
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





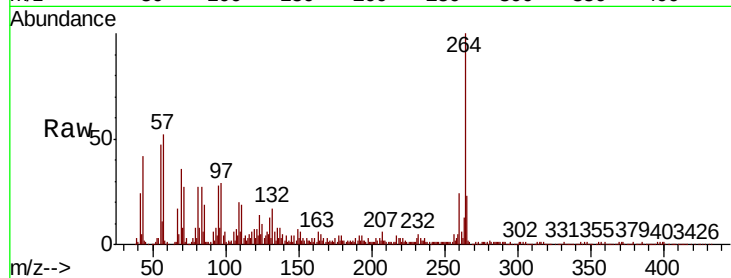
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. 0.05 min
Lab File: BF111781.D
Acq: 28 Dec 2018 00:37

Instrument :
BNA_F
ClientSampleId :
P001-SS013-2430-01DL

Tot Ion:	264	Resp:	197869
Ion Ratio	Lower	Upper	
264	100		
260	23.7	18.3	27.5
265	22.8	17.7	26.5

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Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

